

Title (en)

ALUMINUM ALLOY WIRE ROD, ALUMINUM ALLOY STRANDED WIRE, SHEATHED WIRE, WIRE HARNESS, AND METHOD FOR MANUFACTURING ALUMINUM ALLOY CONDUCTOR

Title (de)

DRAHTSTANGE AUS EINER ALUMINIUMLEGIERUNG, ALUMINIUMLEGIERUNGSLITZENLEITUNG, MANTEL DRAHT, KABELBAUM UND VERFAHREN ZUR HERSTELLUNG DES ALUMINIUMLEGIERUNGSLEITERS

Title (fr)

BARRE DE FIL EN ALLIAGE D'ALUMINIUM, FIL MULTIBRIN EN ALLIAGE D'ALUMINIUM, FIL GAINÉ, FAISCEAU DE FILS ET PROCÉDÉ DE FABRICATION DU CONDUCTEUR EN ALLIAGE D'ALUMINIUM

Publication

EP 2896708 B1 20170913 (EN)

Application

EP 13880539 A 20131115

Priority

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- JP 2013080957 W 20131115

Abstract (en)

[origin: EP2896708A1] An aluminum alloy conductor having a high conductivity and a high bending fatigue resistance, and further achieving an appropriate proof stress and a high elongation is provided. An aluminum alloy conductor of the present invention has a composition consisting of Mg: 0.10 mass% to 1.00 mass%, Si: 0.10 mass% to 1.00 mass%, Fe: 0.01 mass% to 2.50 mass%, Ti: 0.000 mass% to 0.100 mass%, B: 0.000 mass% to 0.030 mass%, Cu: 0.00 mass% to 1.00 mass%, Ag: 0.00 mass% to 0.50 mass%, Au: 0.00 mass% to 0.50 mass%, Mn: 0.00 mass% to 1.00 mass%, Cr: 0.00 mass% to 1.00 mass%, Zr: 0.00 mass% to 0.50 mass%, Hf: 0.00 mass% to 0.50 mass%, V: 0.00 mass% to 0.50 mass%, Sc: 0.00 mass% to 0.50 mass%, Co: 0.00 mass% to 0.50 mass%, Ni: 0.00 mass% to 0.50 mass%, and the balance: Al and incidental impurities, wherein the aluminum alloy conductor has an average grain size of 1 μ m to 35 μ m at an outer peripheral portion thereof.

IPC 8 full level

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CPC (source: EP US)

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Cited by

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